

Table 1.—Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage				
				BY08 Fall	BY09 Late-fall	BY08 Winter	BY08 Spring	BY09 Steelhead
5/21/09	9,790	7.1	5.0	13,838 (50 – 102)	384 (31 – 38)	0 (-)	0 (-)	235 (25 – 80)
5/22/09	9,910	8.4	3.5	15,835 (48 – 102)	206 (32 – 38)	0 (-)	0 (-)	287 (25 – 68)
5/23/09	9,810	8.4	4.1	12,620 (50 – 103)	196 (33 – 39)	0 (-)	0 (-)	236 (37 – 72)
5/24/09	9,530	13.8	3.6	12,371 (49 – 101)	75 (34 – 35)	0 (-)	85 (111)	373 (54 – 192)
5/25/09	9,600	13.4	4.5	5,404 (55 – 103)	55 (45)	0 (-)	0 (-)	55 (48)
5/26/09	9,490	15.5	3.4	10,987 (52 – 102)	193 (39 – 48)	0 (-)	79 (108 – 109)	154 (53 – 69)
5/27/09	9,480	14.4	4.4	13,949 (50 – 104)	148 (36 – 48)	0 (-)	0 (-)	430 (50 – 191)
5/28/09	9,460	15.8	4.1	12,482 (50 – 103)	37 (35)	0 (-)	38 (109)	187 (28 – 66)
5/29/09	9,690	15.8	4.3	10,980 (52 – 106)	0 (-)	0 (-)	40 (112)	277 (52 – 74)
5/30/09	9,690	15.9	4.0	13,289 (54 – 107)	256 (44 – 49)	0 (-)	0 (-)	246 (32 – 66)
5/31/09	9,650	16.0	3.1	8,307 (51 – 104)	37 (37)	0 (-)	37 (129)	145 (58 – 73)
6/1/09	9,690	15.4	3.3	10,176 (51 – 105)	38 (36)	0 (-)	0 (-)	231 (42 – 78)
6/2/09	9,840	14.8	2.9	6,096 (51 – 97)	112 (33 – 49)	0 (-)	37 (114)	262 (58 – 75)
6/3/09	9,670	15.2	3.9	6,095 (54 – 106)	0 (-)	0 (-)	0 (-)	400 (26 – 72)
Biweekly total²				152,429	1,737	0	316	3,518
<i>Biweekly Lower 90% Confidence Interval</i>				121,061	924	0	4	2,275
<i>Biweekly Upper 90% Confidence Interval</i>				183,797	2,550	0	628	4,761
Brood-year total				8,310,730	28,363	1,242,423	164,821	9,429
<i>Brood-year Lower 90% Confidence Interval</i>				3,943,536	13,615	794,818	66,970	3,414
<i>Brood-year Upper 90% Confidence Interval</i>				12,677,925	43,110	1,690,027	262,672	15,445

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.